

### ABSTRACT

A method and framework for transaction synchronization. An embodiment of the present invention first involves “cloning” the middle tier business logic layer from a server onto a client. The framework allows the cloned business logic on the client and the business logic layer on the server to operate independently without a connection. Therefore, the server-side and client-side applications can fully operate without a connection. When a connection is established, the framework synchronizes (reconciles according to defined rules) transactions (i.e., execution of functions) so that transactions resulting from the execution of a function on the business logic layer on the client is equivalent to a transaction resulting from a execution of a function on the business logic layer on the server. Embodiments of the invention may also be used in peer-to-peer environments.